VZCOMPU 200/300

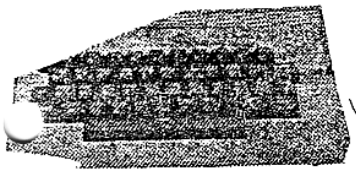
M.Novakovic #2 Dec.85 $1.00

HELLO AGAIN MEMBERS!

irst of all PLEASE in future DO NOT send in cheques for newsletter payment. I ind it much easier to work with cash. People who have sent in newsletter payment y cheque still get their newsletters. But after their payment has run out they UST pay by cash.

hanks to A.P.C. for adding my club's name and address to their club index. Thanks also to VSOFTWAREZ for putting a notice in "LE'VZ" about this club...

VZ-200/300



VZ-300

VZ-200

I WOULD APPRECIATE IT IF YOU SEND IN A CONTRIBUTION FOR THIS NEWSLETTER. IT COULD BE A PROGRAM,TIP OR ARTICLE. MY ADDRESS&PHONE NUMBER IS BELOW

VZ-200/300 Computer Club,
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phone(07)2883045,askforMichael

This issue is different from the first newsletter. It is not as colourful as this newsletter.

Cherio from me now, till the Febuary'86 issue. Best wishes.....

Michael Novakovic

Michael Novakovic

XMAS 1985 stamp

I wish you a very happy and merry Christmas..

Thinking of you at Christmas and sending best wishes for the New Year

.... Machine Language(ML) Programming part one ....

ML is a hard but very good form of programming. It is good because it is faster than BASIC (up to 100 times) and can do operations BASIC can't. If you wish to understand a bit of ML, read on.....

ML is fast because it is straightforwardly understood by the Central Processing Unit (CPU). In BASIC the CPU needs to "translate" BASIC into ML, but programs in ML do not need hardly any "translating" at all. This can be used with utilities, games or any thing you want it to do. Your games from DSE are mostly fully programmed in ML. If the game is loading a "T" in front of the game's name it usually means it is in BASIC with ML being POKEd or just BASIC. If it has a "B" then it is in full ML, it has been translated into a "binary" code that the CPU understands. Games in binary include "Duel" and "Killer Tomato". The binary syst is used as "1" and "0". This means that this is the way the CPU understands binary, as "1"&"0". The system is used to represent both numbers and letters according in which it is used.

There are other forms of ML, they are hexidecimal, assembler and POKEs from DATA Hexidecimals is a system of counting in the CPU that is on base 16. It is shown like this "0123456789ABCDEF". 0 to 9 are used in the ordinary way, but 10 to 15 are represented by the letters A to F. Assembler is quite different, it is like GOTO in BASIC. It uses such characters as JP (for JumP), LD (for LoaD) and other characters. In an Assembler program you could have 4 JP 1A19F this operates like this- it JumPs to location 1A19F. This is very hard and this is all I know about it.

POKEs from DATA is mainly used with DSE programs like "VZ-INVADERS","HOPPY" (et I said earlier that this is ML being POKEd. In part 2 (available in VZCOMPU200/ #3 Feb.86 or here) there will be a few POKEs from DATA ML routines for you to t

In POKE from DATA programming, a special command MUST be used, USR. This calls the ML subroutine routine with the value of X. It has to be used after POKEing into locations, 30862 and 30863. A USR statement after that, the POKEs are take by USR as the ML subroutine starting address. For more information, read the following books-

VZ200 BASIC REFERENCE MANUAL by DSE
VZ300 BASIC REFERENCE MANUAL by DSE
VZ200 TECHNICAL REFERENCE MANUAL by DSE
PROGRAMMING THE Z80 from Rodney Zaks available from DSE
Z80 ASSEMBLER LANGUAGE SUBROUTINES by Lance Leventhal

SEE YOU IN PART 2 OF "MACHINE LANGUAGE (ML) PROGRAMMING PART 2"

.... Software review ....

ıe-LE'VZ D'BASE for-VZ200/300 from-VSOFTWAREZ for-$98 req-24K/34K, d. drive

.s tabase is very powerful in most computing standards. It can be used with a .200 with 24K or a VZ-300 with 34K. A disk drive and a 80 column printer is ıuired, but a printer is not really necessary. The database contains records ich are names, addresses, VZ type, interests and other information about mbers of the VSOFTWAREZ club and their computers. LE'VZ D'BASE V1.8 (latest rsion) holds 99 records per file(99 full length), so if a file is longer than then another file is created. Each record contains 10 lines of 29 characters.

e program has various view, print, search and merge obtions. There are also a sk to tape/tape to disk backup obtion. As only 1 drive is operating, backups can made to tape. The database has an advanced use of arrays when using such tions as search.

ır 3 you get two seperate disks and a 16 page operating booklet with full ɔerating instructions. DSE has LE'VZ D'BASE demonstration units for public .ewing, so you might like to have a browse there!

ɔ buy the database send $98 money order/cheque to- VSOFTWAREZ, 39 Agnes Street, Toowong 4066.

The VZ Advertiser

-where to buy your next VZ product

VSOFTWAREZ

Software
VZ200/VZ300 on tape and disk. At last a disk-based data base unit is ailable, le'vz dbase $98.00. Excellent educational, games and machine language utilities also available, many not obtainable anywhere else. Send a large SASE to Mr J D'Alton, 39 Agnes Street, Toowong 4066. Phone (07) 371 3707.
Thanks to VSOFTWAREZ for permission of copyright.

I Hope all Members of The VZ-200/300 Computer Club Have A Happy New Year 1985
Michael Rowbone

please send MORE advertisements!
Michael.

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VZing

Programming
Section

This new section for the VZ-200/300 contains tricks, tips, hints for you to try...

POKE 30875,1-all keys are disabled except BREAK (CTRL,-)

POKE 30888,255-interesting routine

POKE 30900,0-when you LIST a program, the line numbers are deleted

POKE 30846,86:POKE 30847,52:POKE 30845,195- a "interrupt driven" is executed

POKE 30727,61-characters appear on VDU

MODE(.)- this can be used instead of MODE(0)

POKE 31003,175-TRacer ON routine is executed

DID YOU KNOW?

The 64X32 graphic mode on the VZ300 can be acsessed on a vz200. Just use the graphic character that can be acsessed with SHIFT and the graphic!!!!

PLEASE NOTE

If you change your home address, please notify me so i can put your new address on my database...

Michael

NEW SOFTWARE

Kamakaze-DSE
Missile Attack-DSE
Hamburger Stand-DSE
Star Blaster 2-DSE
Formula One-DSE
Dawn Pattol-DSE
Queensland-VSOFTWAREZ
Haunted Mansion-VSOFTWAREZ
Camping-VSOFTWAREZ
European Capitals-VSOFTWAREZ
Maths-VSOFTWAREZ
Plus And Minus-VSOFTWAREZ
VZ-Database-VSOFTWAREZ

The software is beleived to be correct.

Next issue-

VZ-200 Replacement Keyboard
ML Proggramming part 2
Software review

... AND MORE....

VZCOMPU200/300
December 1985

DID YOU KNOW?

That the VZ-200 is available in different names in U.S.A. (called VZ-200), England, Germany (called Laser-200) and in Singapore (called Texet TX-8000)!